

## Registration and Tuition

THIS COURSE IS LIMITED TO 24 ATTENDEES. REGISTRATION WILL NOT BE PROCESSED WITHOUT PAYMENT.

IT IS IMPORTANT YOU INCLUDE YOUR EMAIL ON THE REGISTRATION FORM BECAUSE INFORMATION WILL BE EMAILED TO YOU PRIOR TO THE COURSE.

The tuition charge of \$795 includes continental breakfast, syllabus and other amenities involved in creating a rewarding learning experience. Early registration is encouraged, as enrollment is limited to the first 24 registrants. Written cancellations prior to 30 days before the course will be refunded less a \$50 administrative fee. Written cancellations within 30 days of the course will not receive a cash refund, but one-half of the registration fee may be applied to a future course. There are no refunds if you are absent the dates of the course. Emory University reserves the right to cancel the program and return all fees. The liability of Emory University School of Medicine is limited to the course fee. Emory will not be responsible for any losses incurred by registrants, including but not limited to, airline cancellation charges or hotel deposits.

The program agenda is subject to change without notice.

## Conference Location

The sessions will be held in the School of Medicine Building, 1648 Pierce Drive, Room 312, Atlanta, GA 30322.

Valet parking is available at Emory Hospital at a cost of \$8 per day. DIRECTIONS TO THE COURSE LOCATION WILL BE EMAILED UPON YOUR REGISTRATION.

## Conference Lodging

Lodging has been reserved at the Courtyard by Marriott Decatur Emory Hotel for the special group rate of \$119 per night. The Marriott Courtyard is located at 130 Clairmont Road, 10 minutes from the Emory campus. To reserve accommodations please call 404-371-0204 no later than 30 days prior to the course date, and state that you are with the Ultrasound program group. Shuttle service provided from hotel to Emory Hospital on Saturday morning, Saturday afternoon, and Sunday morning. Rates are subject to change. Parking rates are \$10 per day for event attendee self parking, and \$15 per day for guest overnight parking. Parking rates are subject to change.

## Credit

The Emory University School of Medicine designates this live activity for a maximum of 14 AMA PRA Category I Credit(s)<sup>™</sup>. Physicians should claim only credit commensurate with the extent of their participation in the activity. In addition, physicians will receive a certificate documenting their training in ultrasonography. The Emory University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Core Competencies: Patient Care and Medical Knowledge

## Why Your Practice Needs Ultrasonography

Ultrasonography is an invaluable tool in nephrology and, following the lead of other sub-specialists, nephrologists are incorporating ultrasonography into their practice. It is convenient, economically feasible and improves patient care. Equipment costs can be recovered with as few as five studies per month and other potential barriers are not difficult to surmount.

Ultrasonography for Nephrologists is the only training course specifically designed for nephrologists and has been offered continuously since 1997. This comprehensive program provides both didactic and hands-on training in ultrasonography of native and transplanted kidneys, end-stage kidneys and allografts, and for central venous catheterization. Extensive hands-on sessions will include patients with a variety of abnormalities. Also covered are financial aspects including equipment costs, billing, reimbursement, and other aspects such as reports, record-keeping, databases, quality assurance, and accreditation. There will also be an opportunity to use equipment from a variety of manufacturers.

## Learning Objectives

After attending this course, participants should be able to:

- Recognize the basic principles of ultrasonography.
- Demonstrate knowledge of the equipment and its use.
- Perform renal ultrasonography, including diagnostic studies of native kidneys, renal allografts, endstage kidneys and guidance for percutaneous biopsies of native and transplanted kidneys.
- Interpret normal and abnormal findings, including hydronephrosis, cysts, masses, stones, renal cortex, and normal variants.
- Explain ultrasonography of the urinary bladder and its interpretation.
- Employ logistical considerations, including costs, coding, billing, recording and record-keeping.
- Review how to incorporate ultrasonography into a nephrology or training program.

## Who Should Attend

The course is designed for nephrologists and urologists who wish to incorporate ultrasound into their practice, as well as paraprofessional staff including physician assistants, nurse practitioners, and nurses.

## Sponsorship

The program is sponsored by the Department of Medicine, Division of Nephrology, Emory University School of Medicine.

Emory University School of Medicine  
Department of Medicine  
Division of Nephrology  
Presents

# Ultrasonography for Nephrologists

February 1-2, 2014



Emory University School of Medicine  
1648 Pierce Drive  
Atlanta, Georgia 30322



EMORY  
UNIVERSITY  
SCHOOL OF  
MEDICINE



Continuing Medical Education  
Emory University School of Medicine  
1462 Clifton Road, N.E., Suite 276  
Atlanta, Georgia 30322

The Emory University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

www.emory.edu/CME



# FACULTY

## Course Director

Dr. Charles O'Neill is a Professor of Medicine in the Renal Division at Emory University School of Medicine, where he has directed the Renal Ultrasonography Program since 1994. He has extensive experience in teaching and training nephrologists in ultrasonography, including annual workshops at the National Kidney Foundation and the American Society of Nephrology national meetings.

## Guest Faculty

Kevin Rooker, RT, RDMS, RVT is an ultrasound consultant based in the Dallas - Fort Worth region of Texas. He has over 25 years of clinical experience in the field of ultrasound. Mr. Rooker has been involved in the didactic and hands-on training of physicians and sonographers throughout the United States for over 15 years. He is a member of the American Institute of Ultrasound Medicine, as well as the Society of Diagnostic Medical Sonographers and Society of Vascular Technology.

## Mini-Fellowship in Renal Ultrasonography

Visit [www.medicine.emory.edu/renal/ultrasound](http://www.medicine.emory.edu/renal/ultrasound) for available dates and registration information

The Mini-Fellowship program is designed for individuals who have attended Emory's Ultrasonography for Nephrologists course and provides intensive training for the performance and interpretation of ultrasonography in the practice of nephrology, including:

- Diagnostic studies of native kidneys
- Diagnostic studies of renal allografts
- Diagnostic studies of end-stage kidneys
- Diagnostic studies of urinary bladder
- Percutaneous biopsy of native and transplanted kidneys
- Localization for insertion of temporary venous access

The fellow will participate in the performance of ultrasound studies and meet daily for interpretation and generation of reports. An extensive teaching file is also available. The course is limited to those who have previously attended Ultrasonography for Nephrologists or who have had equivalent formal training.

Dates: 5 or more consecutive weekdays, arranged on an individual basis

Location: Emory University School of Medicine and Emory University Hospital

Lodging: Emory Inn  
1615 Clifton Road, Atlanta, Georgia  
(800) 933-6679 or (404) 712-6700

Tuition: \$150 per day; \$100 per day for full-time faculty

# PROGRAM

## Saturday

8:00am Breakfast, Visit Exhibits

8:30 **Practical Physics of Sonography**

9:30 **Knobology**

9:45 Break

10:15 **Imaging Techniques**

11:15 **Hands-on Session:**  
Normal Kidneys, Biopsy Guidance

12:30pm Lunch (on your own)  
Visit Exhibits

1:30 **Interpretation:**  
Developing a Mindset for Interpreting Ultrasonography

2:30 **Hands-on Session:**  
Cysts, Stones, Hydronephrosis, Neoplasms, Vascular Access

4:30 **Interpretation:**  
Cysts, Stones, Hydronephrosis, Artifacts, Normal Variants

5:30 Adjourn

## Sunday

8:00am Breakfast, Visit Exhibits

8:30 **Interpretation:**  
Parenchymal Disease, Vascular Disease, Neoplasms

9:15 **Sonography of the Lower Urinary Tract**

9:45 **Sonography in Renal Transplantation**

10:30 **Hands-on Session:**  
ESRD, Vascular Access, Transplant, Practice Scan and Interpretation

12:30pm Lunch (on your own)  
Visit Exhibits

1:30 **Logistics:**  
Costs, Coding, Reporting, Records, Quality Assurance

2:15 **Interpretation:**  
Other abdominal Organs

2:45 **Hands-on Session:**  
Bladder and General Abdominal, Practice Interpretation, Report Writing and Data Storage

3:35 **Interpretation:**  
Practice Studies

4:15 Adjourn

The program agenda is subject to change without notice.

# REGISTRATION

PAYMENT MUST BE MADE AT THE TIME OF REGISTRATION. REGISTRATION WILL NOT BE PROCESSED WITHOUT PAYMENT

## Ultrasonography for Nephrologists

**February 1-2, 2014**

Please check the CME website for future dates

Name: \_\_\_\_\_

Specialty/Degree: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Last four digits of Social Security No. \_\_\_\_\_  
(Required for CME Credit Tracking)

Type of Practice: \_\_\_\_\_

Special Needs: \_\_\_\_\_

**Tuition: \$795**

REGISTRATION ONLINE RECOMMENDED

Go to: [www.emory.edu/CME](http://www.emory.edu/CME)

Or

Mail in your registration with check or money order

Make check payable to:  
EMORY UNIVERSITY SCHOOL OF MEDICINE

## Detach and mail:

EMORY UNIVERSITY SCHOOL OF MEDICINE  
1462 Clifton Road, N.E., Suite 276  
Atlanta, Georgia 30322

Phone: (404) 727-5695 (local)  
Toll free: (888) 727-5695 (outside Atlanta)  
Fax: (404) 727-5667

E-mail: [cme@emory.edu](mailto:cme@emory.edu)